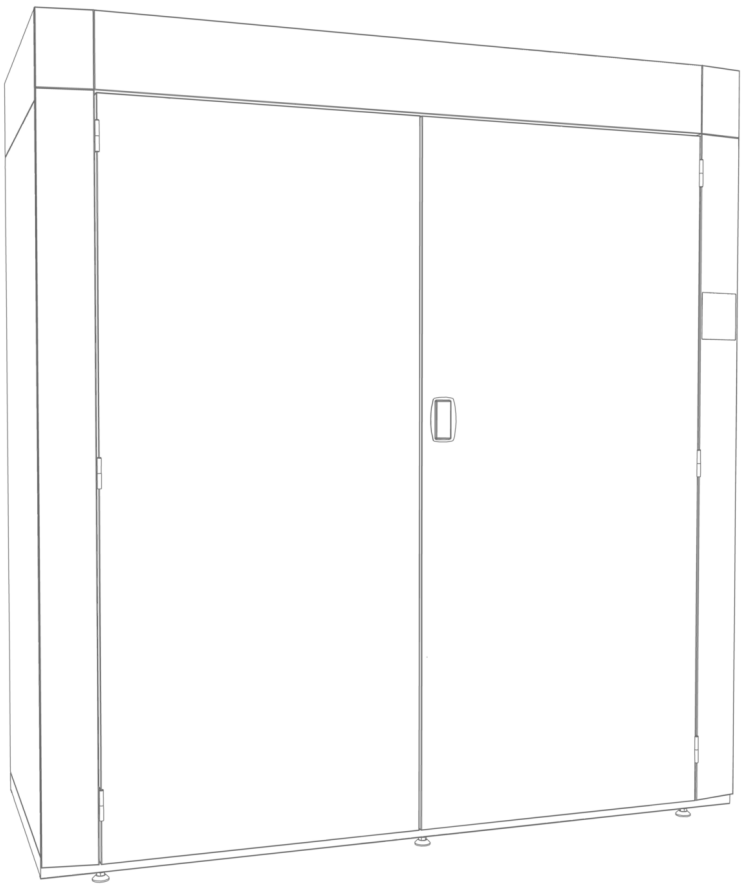

Service manual and spare parts list

Drying capacity of 6 large overalls equal to 30 kg

549219

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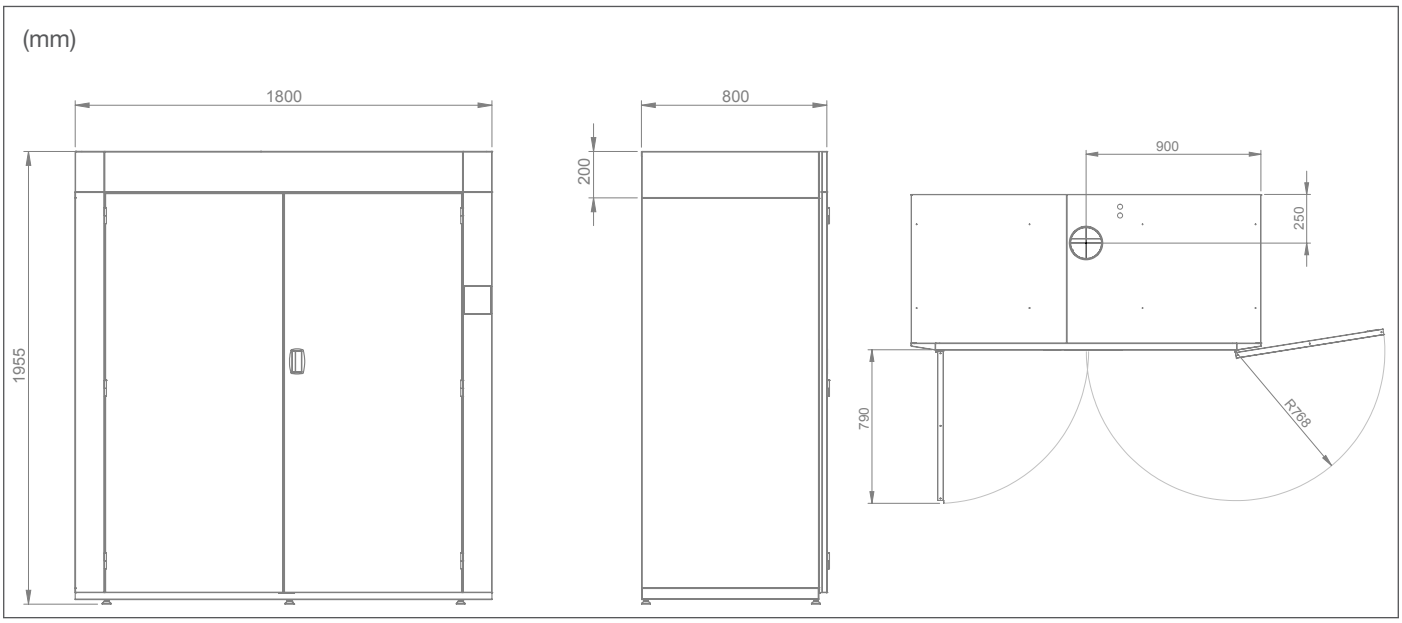
Specification

Dimensions



Technical information

Loading capacity, number of suits	6	
Evacuated air, max, m³/h	600	
Heating effect, kW	12,0	
Total effect, kW	12,45	
	Membrane	Cotton wool
Drying capacity, g/min *	55	45
Drying time, min *	175	65
Energy consumption, kWh/kg	0,98	0,34
Part No	131027	

*Drying of 20 kg fire suits (dry weight) washed and high-spinned to 50 % residual moisture for membrane suits and 15 % for cotton wool suits.

Main control board

The rying cabinet can be customized by adjusting the main control board´s parameters. The following pages describe how to adjust the parameters.

Service menu

Activate the service menu

To enter the service menu; press both left arrow buttons in about 5 seconds. The LCD-display shows the software version installed on the control board.

Push the START-button, 5 times continuously, to enter the parameter list.

Navigate in the service menu

To browse in the parameter list, use the two top buttons.

Change parameter values

Depending on if the present parameter shows temperature, time or ON/OFF-function, the present value is either shown on the left or on the right side of the LCD-display. To change the value, use the arrow buttons.

Leave the service menu

Push the start button.

Parameter list

Parameter	Alternative	Factory position
LANGUAGE	SWE/ENG/FRE/GER/SPA	ENG
MODEL	FDC6, FC 18	FC 18
RESET	YES	-
DEGREE UNIT	C/F	C
MIN TEMP	[-- --], 25 -> [MED-5]	40
MED TEMP	[MIN + 5] -> [MAX-5]	60
MAX TEMP	[MED + 5]-90	80
DEF TEMP	MIN/MED/MAX	MAX
SHOW DEGREES	ON/OFF	ON
MAX TIME	1:00-09:59	04:00
DEF TIME	0:00-[MAX TID]	01:30
DELAY START	ON /OFF	OFF
AUTOPROG	OFF, 1-9	3
PR1 TEMP	MIN/MED/MAX	MAX
PR1 HU STOP	0-995	40
PR1 REACTIV	0:00-1:00	00:30
PR2 TEMP	MIN/MED/MAX	MAX
PR2 HU STOP	0-995	60
PR2 REACTIV	0:00-1:00	00:30
PR3 TEMP	MIN/MED/MAX	MED
PR3 HU STOP	0-995	70
PR3 REACTIV	0:00-1:00	00:00
HYST TEMP	0-20	10
COOL DOWN	0:00-0:20	00:15
SHOW TEMP+HU	ON/OFF	OFF
SHOW LOGO	ON/OFF	ON
SOUND	ON/OFF	ON
STANDBY	ON/OFF	ON
LIGHT TIME	0:00-0:30	00:10
PAUSE TIME	0:00-0:30	00:10
COIN	ON/OFF	OFF
SIGNAL TYPE	PLS/N-0	N-O
WORK TIME	-	[000000] h
TEST LOOP	ON/OFF	OFF
CLEAR E-CODE	YES	-

Explanation of parameters

LANGUAGE

The drying cabinet is delivered with English display text as standard. Choose between Swedish, English, French, German and Spanish.

MODEL

Choice of product model. Shall always be in position “FC 18”.

RESET

Resets all parameters to initial factory position.

DEGREE UNIT

Degrees can be displayed in Celsius or Fahrenheit.

MIN TEMP

Setting of minimum temperature level in manual mode. “----“ means that the heating is off. The highest possible degree to be chosen is affected by parameter MED TEMP.

MED TEMP

Setting of medium temperature level in manual mode. Choice of temperature level is affected by the value of both MIN and MAX TEMP.

MAX TEMP

Setting of maximum temperature level in manual mode. Lowest temperature level to choose is affected by the value of parameter MED TEMP.

DEF TEMP

Sets the default temperature when the user enters manual mode.

SHOW DEGREES

Manual mode shows the chosen temperature in degrees. This function can be turned off so that only the symbol on the thermometer is shown.

MAX TIME

Setting of time in manual mode. Maximum 9h 59 minutes.

DEF TIME

This parameter controls the time which is default when the user enters manual mode.

AUTOPROG

It is possible to activate up to nine automatic programmes. Default from factory; three pre-programmed choices:

Programme 1 = MEMBRANE
Programme 2 = COTTON WOOL
Programme 3 = STATION WEAR

Each programme has three parameters (see explanation of parameter TEMP, HU STOP and REACTIV). When AUTOPROG is set in mode “OFF” the automatic programmes is inactivated. If the user choose automatic mode, the display shows “INACTIVATED”.

PR# TEMP

Every automatic programme can be adjusted by choosing temperatures MIN, MED, MAX. The temperature values are the same as parameters MIN TEMP, MED TEMP and MAX TEMP.

PR# HU STOP

HU STOP affects the automatic drying function. Can be changed if needed. If the value of HU STOP is decreased, the drying time is prolonged for the automatic programme.

PR# REACTIV

This parameter decides the duration of the reactivation phase. If the time is set to 00:00 the programme hits cool down immediately after the drying phase is finished.

HYST TEMP

It controls the hysteresis. The drying cabinet is preset to 10ºC. When the working temperature is attained and the heating elements are turned off, it will be a delay. When the temperature hits 10ºC, the heating starts again. Shorter hysteresis increase the energy consumption.

COOL DOWN

After the heating phase, the cabinet has a period of cool down to recondition the laundry and lower the temperature within the cabinet. The time is set to 15 minutes. PLEASE NOTE! Without a sufficient cool down period, the inner plates of the cabinet will be very hot.

SHOW TEMP+HU

This parameter is for error searching. If set in mode “ON” the cabinet will show current temperature and air humidity by respective sensors.

SHOW LOGO

Turns on and off the logo on the top of the LCD-display.

SOUND

This parameter controls if the sound shall be on or off. In mode “ON” you can hear a distinct “beep-noise” every time the buttons are pushed or when a drying period is ended.

STANDBY

In position “ON”, the display background light is automatically turned off if no button is pushed for two minutes. The display light is turned on when any button is pushed or if the doors are opened. In position “OFF” the light is constantly off.

LIGHT TIME

When the doors open, the light inside the cabinet is turned on. With the parameter LIGHT TIME you set how long the light will be on, if the doors are left opened. When the time is up, the lamp is turned off automatically.

PAUSE TIME

If the doors are opened during drying, the drying programme is paused. Are the doors left opened for a long time, the programme will stop. The time is adjustable from 0 – 30 minutes. PLEASE NOTE! If the parameter is set to 0 minutes, the cabinet will stop the programme as soon as the doors are opened.

COIN

The drying cabinet can be connected to a booking system. To activate the function, set the parameter in position “ON”. To start a programme, a connection to the control board’s COIN-contact is needed.

SIGNAL TYPE

This parameter is only visible if COIN is activated. COIN is used when the cabinet is connected to a booking system. Choose position depending on which type of signal the booking system is sending. “PLS” stands for pulse and means that the cabinet is booked per drying period. One pulse gives one drying period. “N-O” is chosen when the signal is either on or off. The current programme will always run until finished even if the signal is broken during the programme.

WORK TIME

The parameter shows the total amount of hours the cabinet has been on. It is also memorized if the electricity to the control board is broken.

TEST LOOP

Start the test programme by changing the parameter to “ON”. The programme can be used to control the components in the cabinet. Parts are activated as follows: To go to the next step, press arrow button. The programme goes automatically to the next level after 30 seconds.

1. Fans connected to FAN1
2. Fan connected to FAN2
3. Heating on
4. All segments on LCD-display are lit and the background light flashes
5. The temperature sensor shows current temperature
6. The humidity sensor shows current air humidity

CLEAR E-CODE

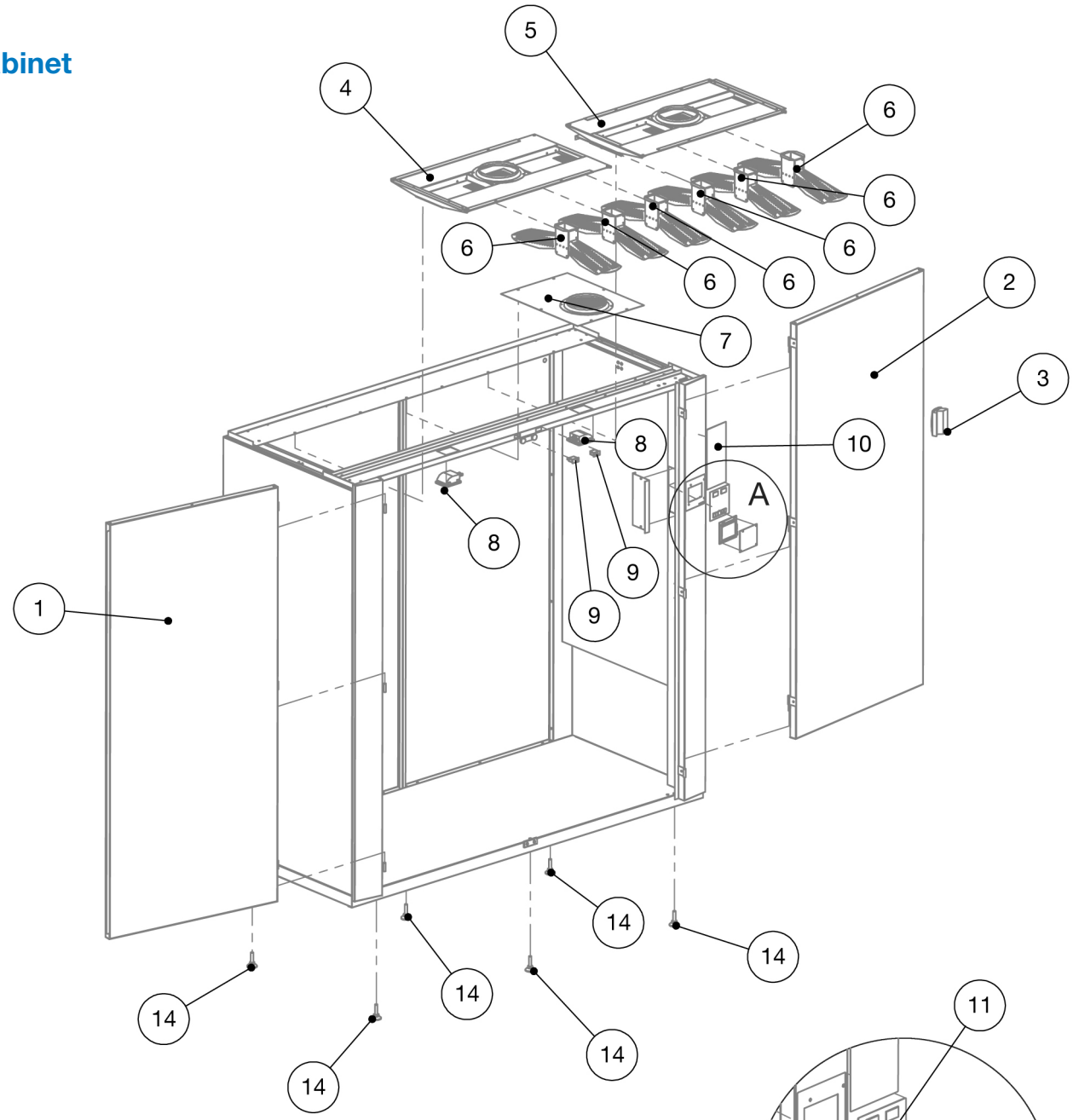
Is used to erase an e-code in the display, after the problem has been solved. Press the right arrow button.

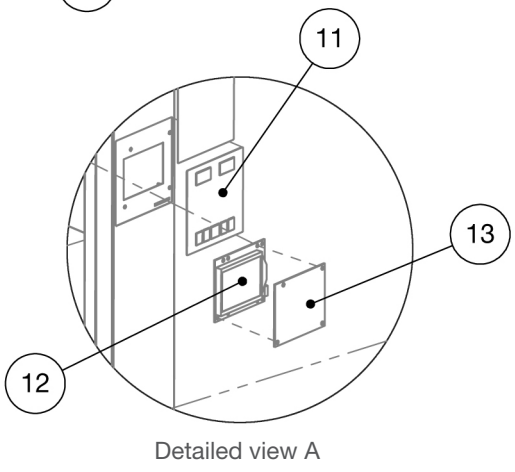
Error codes

LCD	Reason	Activity
T1	Control board gets no signal from the temperature sensor.	Control that the sensor is connected correctly on the main control board and that the cable from the sensor to the board is intact.
OH	The control board’s electronically overheat protection has been activated. The error code is generated if the temperature rises above 100ºC, twice within 30 minutes.	Control that the fan motors are working as they should. Also control the temperature sensor and that the cable from the board is intact.
HU	The control board gets no signal from the humidity sensor.	Control that the sensor is connected correctly on the main control board and that the cable from the sensor to the board is intact.

Spare parts list

Cabinet

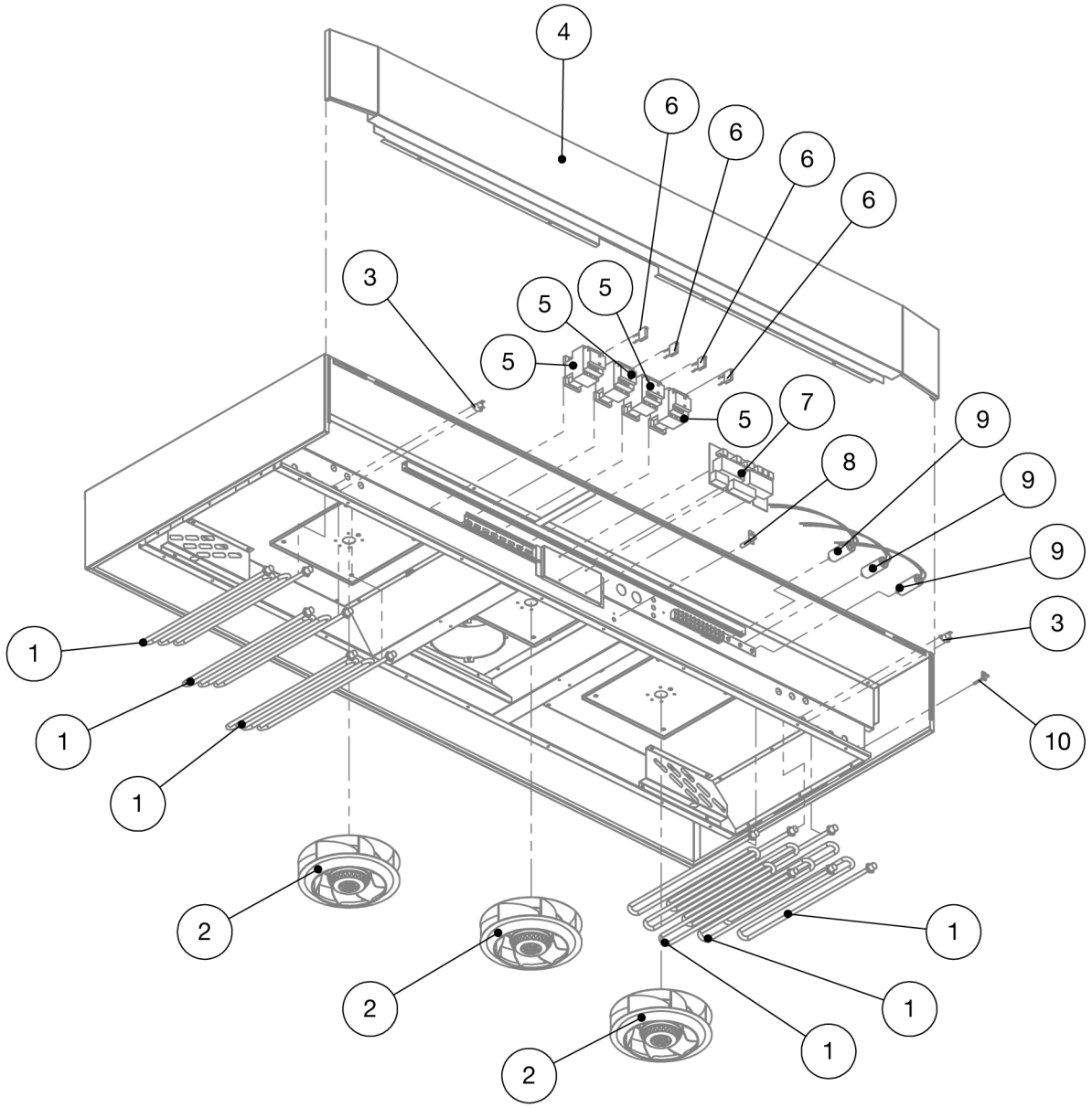




Detailed view A

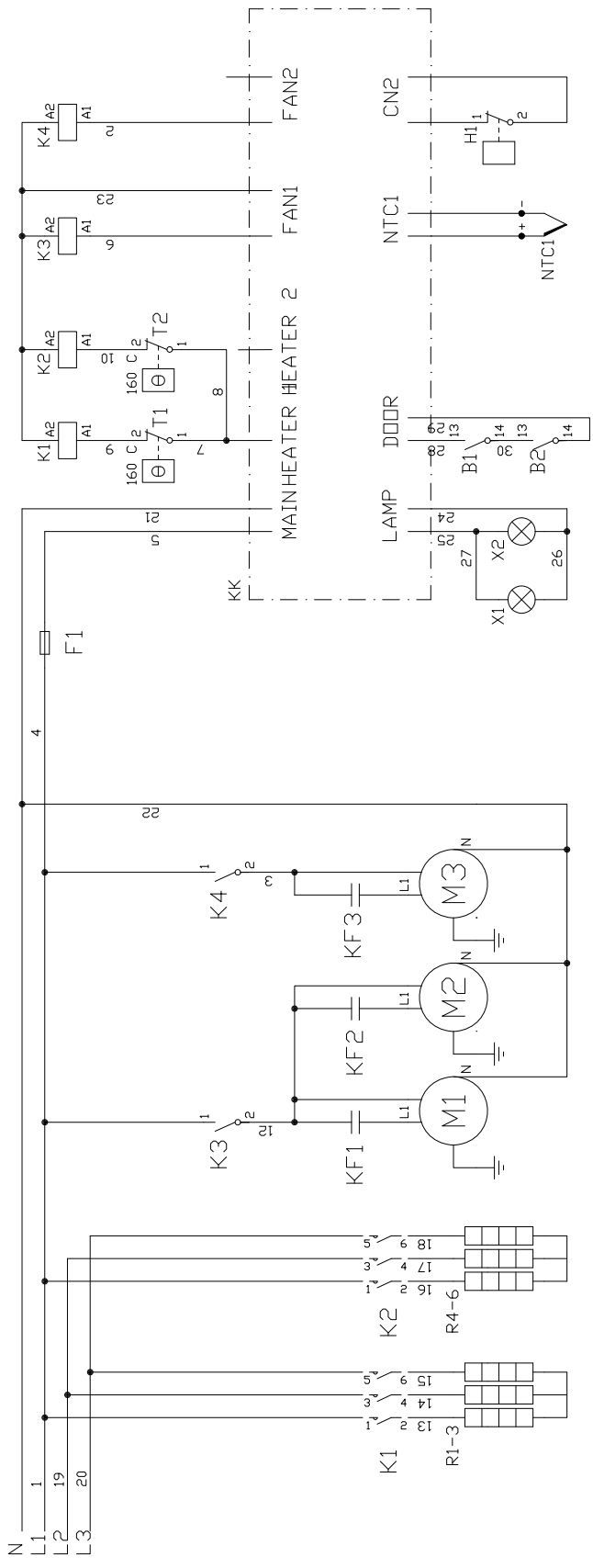
No	Part No	Description
1	TS61053	Door left
2	TS61054	Door right
3	TS 61086	Handle
4	TS61055	Hanger frame left
5	TS61056	Hanger frame right
6	TS61057	Hanger
7	TS61058	Service door (middle fan)
8	TS 61081	Lamp
9	70107001	Door switch
10	011058	Sticker user instructions
11	0110152	Keypad
12	0110151-2	Display control board
13	TS61090	Cover glass
14	TS61094	Foot

Top



No	Part No	Description
1	TS 61080	Element 2000 W
2	E 150020	Fan motor
3	TS61028	Over heat protection 160°C
4	TS61052	Front panel
5	504142	Relay LC1-D12P7 230 V
6	TS 61082	Disturbance filter
7	0110150-2	Main control board
8	0110154-2	Humidity sensor
9	TS 61083	Condensator
10	0110155-2	Temperature sensor

Electrical drawing



M1	Fläktmotor 1	Fan motor 1	Ventilateur 1
M2	Fläktmotor 2	Fan motor 2	Ventilateur 2
M3	Fläktmotor 3	Fan motor 3	Ventilateur 3
KF1	Kondensator 1	Capacitor 1	Condensateur 1
KF2	Kondensator 2	Capacitor 2	Condensateur 2
KF3	Kondensator 3	Capacitor 3	Condensateur 3
K1	Kontaktor värme 1	Heat contactor 1	Contacteur chaleur 1
K2	Kontaktor värme 2	Heat contactor 2	Contacteur chaleur 2
K3	Kontaktor fläkt 1	Fan contactor 1	Contacteur fan 1
K4	Kontaktor fläkt 2	Fan contactor 2	Contacteur fan 2
B1	Mikrobrytare dörr 1	Door switch 1	Interrupteur porte 1

B2	Mikrobrytare dörr 2	Door switch 2	Interrupteur porte 2
X1	Lampa 1	Lamp 1	Lampe 1
X2	Lampa 2	Lamp 2	Lampe 2
H1	Fuktsensor	Humidity sensor	Hygromètre
NTC1	Termostat	Thermostat	Thermostat
R1-R3	Element 1-3	Heat element 1-3	Chauffage 1-3
R4-R6	Element 4-6	Heat element 4-6	Chauffage 4-6
T1	överhettningsskydd 1	Over heat protection 1	Protection surchauffe 1
T2	överhettningsskydd 2	Over heat protection 2	Protection surchauffe 2
F1	Manöversäkring	Main fuse	Fusible de tête
KK	Kretskort	Circuit board	Platine de circuits